

### **IN THE CLAIMS**

Please amend claims 16, 21, and 24 through 28 as indicated below. Please add new claim 31 as set forth below.

#### **Claims 1-14 (Cancelled)**

15. (Previously presented) A method for spinning yarn from a fiber bundle, the method comprising:

conveying individual fibers from a fiber bundle at a fiber delivery point towards a fiber bundling point at a spindle;

subjecting the conveyed fibers to a rotating air stream at an intake mouth of a yarn channel defined in the spindle, the rotating air stream spinning the fibers into a yarn drawn off through the spindle;

dividing the fibers conveyed to the spindle into at least two fiber streams, the fiber streams being conveyed through at least two separate conveying channels; and

incorporating fibers from the respective conveying channels into the bundling point at different times by varying processing features between the respective conveying channels, while allowing the fibers in proper position to release ends about which incorporated ends can be wound.

16. (Amended) The method as in claim 15, wherein any combination of the following processing features are varied between the conveying channels: duration of fiber conveying ~~with~~ within the channels; impingement angle of the fibers with respect to an axial line of the yarn channel; speed of fiber conveying within the channels; acceleration of fibers conveyed in the channels; and position of the fibers within the channels at the end of the conveying path.

17. (Previously presented) The method as in claim 15, wherein different types of fibers are primarily conveyed through each of the respective conveying channels.

18. (Previously presented) The method as in claim 17, wherein different combinations of long staple fibers, short staple fibers, natural fibers, artificial fibers, and synthetic endless fibers are conveyed through the conveying channels.

19. (Previously presented) The method as in claim 15, wherein one of said conveying channels defines a shorter conveying length as compared to a longer conveying length of the other respective conveying channel, said method further comprising feeding in at least two different fiber bundles having different fiber lengths at the fiber delivery point and primarily conveying shorter fibers from one bundle in the channel having a shorter conveying length, and primarily conveying longer fibers from the other bundle in the channel having a longer conveying length.

20. (Previously presented) The method as in claim 19, further comprising directing the fibers in the shorter conveying length channel to the bundling point at a smaller impingement angle as compared to the fibers from the longer conveying length channel.

21. (Currently Amended) The method as in claim 19, wherein artificial fibers ~~having a shorter fiber length~~ are conveyed as core yarn fibers primarily in the shorter conveying length channel, and natural fibers ~~having a longer fiber length~~ are conveyed primarily in the longer conveying length channel.

22. (Previously presented) An apparatus for spinning fibers into a yarn by subjecting the fibers conveyed from a fiber bundle at a delivery point to a rotating air stream at a fiber bundling point at the channel mouth of a spindle, said apparatus comprising:

at least two different fiber conveying channels disposed between said delivery point and said bundling point;

said conveying channels being differently configured so as to differently process fibers conveyed therethrough such that fibers from said respective conveying channels are incorporated into said bundling point at different times, while allowing said fibers in proper position to release ends about which incorporated ends can be wound.

23. (Previously Presented) The apparatus as in claim 22, wherein said conveying channels are configured so as to have any combination of different fiber conveying lengths due to different shapes, different impingement angles with respect to an axis of said spindle channel; different directions of outlet mouths, different cross-sectional shapes; different fiber speed profiles; and different fiber acceleration profiles.

24. (Currently Amended) An apparatus for spinning fibers into a yarn by subjecting the fibers conveyed from a fiber bundle at a delivery point to a rotating air stream at a fiber bundling point at the channel mouth of a spindle, said apparatus comprising:

at least two different fiber conveying channels disposed between said delivery point and said bundling point;

said conveying channels being differently configured so as to differently process fibers conveyed therethrough such that fibers from said respective conveying channels are incorporated into said bundling point ~~at different times~~; and

wherein at least one of said conveying channels has a reduced cross-section at an end thereof adjacent said bundling point as compared to said other conveying channel such that fibers conveyed therethrough are speeded up and stretched.

25. (Currently Amended) An apparatus for spinning fibers into a yarn by subjecting the fibers conveyed from a fiber bundle at a delivery point to a rotating air stream at a fiber bundling point at the channel mouth of a spindle, said apparatus comprising:

at least two different fiber conveying channels disposed between said delivery point and said bundling point;

said conveying channels being differently configured so as to differently process fibers conveyed therethrough such that fibers from said respective conveying channels are incorporated into said bundling point at different times; and

wherein at least one of said conveying channels has a widened cross-section at an end thereof adjacent said bundling point as compared to said other conveying channel such that fibers conveyed therethrough are slowed down and tend to adopt a transverse position in said conveying channel.

26. (Currently Amended) An apparatus for spinning fibers into a yarn by subjecting the fibers conveyed from a fiber bundle at a delivery point to a rotating air stream at a fiber bundling point at the channel mouth of a spindle, said apparatus comprising:

at least two different fiber conveying channels disposed between said delivery point and said bundling point;

said conveying channels being differently configured so as to differently process fibers conveyed therethrough such that fibers from said respective conveying channels are incorporated into said bundling point at different times; and

wherein one of said conveying channels defines a shorter conveying length as is positioned so as to convey shorter-length fibers for use as core fibers in the spun yarn.

27. (Currently Amended) The apparatus as in claim 26, where in said other conveying channel defines a longer conveying path as is positioned so as to convey longer length fibers for use as cover fibers in the spun yarn.

28. (Currently Amended) An apparatus for spinning fibers into a yarn by subjecting the fibers conveyed from a fiber bundle at a delivery point to a rotating air stream at a fiber bundling point at the channel mouth of a spindle, said apparatus comprising:

at least two different fiber conveying channels disposed between said delivery point and said bundling point;

said conveying channels being differently configured so as to differently process fibers conveyed therethrough ~~such that fibers from said respective conveying channels are incorporated into said bundling point at different times; and~~

wherein one of said conveying channels defines a shorter conveying length as is positioned with a smaller impingement angle with respect to an axis of said spindle channel so as to convey shorter length fibers for use as core fibers in the spun yarn, and said other conveying channel defines a longer conveying path as is positioned with a greater impingement angle so as to convey longer length fibers for use as cover fibers in the spun yarn.

29. (Previously Presented) An apparatus for spinning fibers into a yarn by subjecting the fibers conveyed from a fiber bundle at a delivery point to a rotating air stream at a fiber bundling point at the channel mouth of a spindle, said apparatus comprising:

a fiber conveying channel disposed between said delivery point and said bundling point;

a driven tension roller disposed generally adjacent said delivery point, said

tension roller having a longitudinal segment with a reduced diameter adjacent a longitudinal segment with an increased diameter, and

said increased diameter segment disposed in contact with a portion of said fiber conveying channel so as to define a fiber clamping ling therewith, and said reduced diameter portion spaced from an adjacent portion of said fiber conveying channel so that fibers pass unclamped between said reduced diameter portion and said fiber conveying channel.

30. (Previously Presented) The apparatus as in claim 29, wherein said tension roller is driven at a circumferential speed such that said increased diameter segment is driven at a circumferential speed corresponding to fiber delivery speed into said fiber conveying channel.

31. (New) The apparatus as in claim 26, wherein artificial fibers are conveyed through said conveying channel having a shorter conveying length for use primarily as core fibers in the spun yarn and natural fibers are conveyed through said conveying channel having a longer conveying length.